

**DS10KC33 / DS15KC33 / DS22.5KC33 /
DS30KC33 / DS45KC33 / DS60KC33 /
DS80KC33 / DS100KC33 / DS120KC33**



* DSC33 45-120K

* DSC33 10-30K

Energy Saving :

With such high efficiency, you will save on energy consumption. This ensures lower operation costs and faster returns on your investments.

► Topology:

Double Conversion

► Rating:

10KVA to 120KVA

► Voltage:

208V/120V,380V/220V

Features

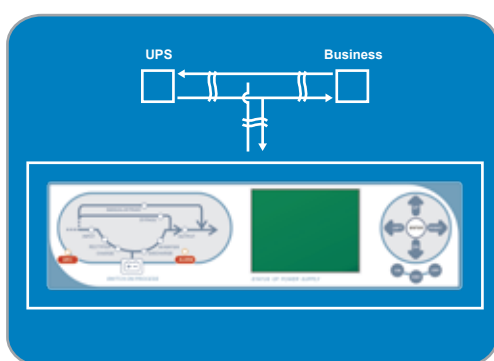
- * Highest performance and reliability using DSP (Digital Signal Processor)
- * SPWM (Sinewave Pulse Width Modulation) and IGBT to handle even the most difficult industrial applications
- * User-friendly interface and multi-functional display allowing access to a variety of parameters

Applications:

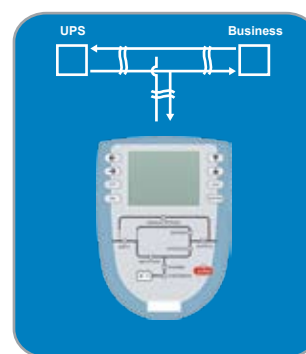
- * Industrial
- * Medical
- * ISP/ASP/POP
- * Servers
- * Data Centers
- * Telecommunications

Front Panel

DSC10-30KC33



DSC45-120KC33



Specifications

Model	DS 10KC33	DS 15KC33	DS 22.5KC33	DS 30KC33	DS 45KC33	DS 60KC33	DS 80KC33	DS 100KC33	DS 120KC33
Capacity	10KVA	15KVA	22.5KVA	30KVA	45KVA	60KVA	80KVA	100KVA	120KVA
Rating Power	8KW	12KW	18KW	24KW	36KW	48KW	64KW	80KW	96KW
Power factor	0.8								
AC input	Phase	3 Phase 3 wire / 3 Phase 4 wire and ground							
	Voltage	380V/220V or 208V/120V $\pm 20\%$							
	Frequency	Auto-sensing, 50Hz/60Hz ± 5 Hz							
	Regulation style	3 phase 6 pulses or 12 pulses (option)							
	DC voltage	DC410V							
Efficiency of rectifier		>97%							
Efficiency of Inverter		>88%							
Total Efficiency		>85%							
Output	Phase	3 phase 4 wire and ground							
	Voltage range	380V/220V or 208V/120V							
	Voltage regulation	$\pm 1\%$							
	Transient state	Return to 90% with 4 cycle							
	Overload capacity	Bypass after 30 min while overload >100% <125%							
		Bypass after 30 sec while overload $\approx 125\% \approx 150\%$							
		Bypass after 30 cycles while overload exceed 150%							
	Way of Inverter	Sine wave modulated from 20KHz pulse by DSP control							
	Frequency	50Hz/60Hz							
	Frequency regulation	$\pm 0.1\%$							
	Range of phase lock	± 5 Hz							
	Range of lock released	$> \pm 5$ Hz							
	Range of lock back	± 3 Hz							
	Wave	Sine wave							
Static Switch	Load crest factor	3:1							
	Total harmonic distortion	Less 3% linear load							
	Transfer way	When inverter and utility are synchronized at same phase and voltage, bypass							
	Transfer time	Bypass to inverter 0mS							
Charger	Efficiency	Normal state, inverter to bypass 0mS							
	Voltage	> 99%							
	Current	DC410V							
Utility	Charging period	Current can be adjusted at 1A, 2A, 3A, 5A, 10A, 15A, 20A, 30A automatically							
	Battery type	Return to 90% from 100% exhausted battery within 8 hours (depending on type of batteries)							
	Backup time	Bank with 12V X 30 pcs							
	Noise	Depending on type of batteries							
Environment	Operating Temperature	Less than 60dBA from the surface of 1m away							
	Storage Temperature	0~40°C							
	Ambient operation	-25°C ~55°C							
Model	DS 10KC33	DS 15KC33	DS 22.5KC33	DS 30KC33	DS 45KC33	DS 60KC33	DS 80KC33	DS 100KC33	DS 120KC33
PHYSICAL									
380V / 220V									
Dimensions (Physical / Packing) (inches)	34.4x20.9x39.8 / 39.8x26.6x48.4	37.8x20.9x46.4 / 42.9x26.6x59.4	31.5x29.5x66.9 / 36.8x34.8x75	TBD	TBD	31.5x43.3x70.9 / 36.2x48.0x79.1			
(LxWxH) (mm)	875x530x1010 / 1010x675x1230	960x530x1180 / 1090x675x1510	800x750x1700 / 935x885x1905	TBD	TBD	800x1100x1800 / 920x1220x2010			
Weight (Net / Gross) (lbs)	733.5 / 817.2	755.5 / 839.2	759.9 / 865.6	907.5 / 1013.2	1198.2 / 1418.5	1389.9 / 1610.1	1656.4 / 1881.1	TBD	3105.7 / 3281.9
(kg)	333 / 371	343 / 381	345 / 393	412 / 460	544 / 644	631 / 731	752 / 854	TBD	1410 / 1490
208V / 120V									
Dimensions (Physical / Packing) (inches)	34.4x20.9x39.8 / 39.8x26.6x48.4	7.8x20.9x46.4 / 42.9x26.6x59.4	31.5x29.5x66.9 / 36.8x34.8x75	TBD	TBD	TBD	TBD	TBD	TBD
(LxWxH) (mm)	875x530x1010 / 1010x675x1230	960x530x1180 / 1090x675x1510	800x750x1700 / 935x885x1905	TBD	TBD	TBD	TBD	TBD	TBD
Weight (Net / Gross) (lbs)	940.5 / 1024.2	1019.8 / 1103.5	1006.6 / 1112.3	1196 / 1301.8	1616.7 / 1837	1874.4 / 2094.7	TBD	TBD	TBD
(kg)	427 / 465	463 / 501	457 / 505	543 / 591	734 / 834	851 / 951	TBD	TBD	TBD

